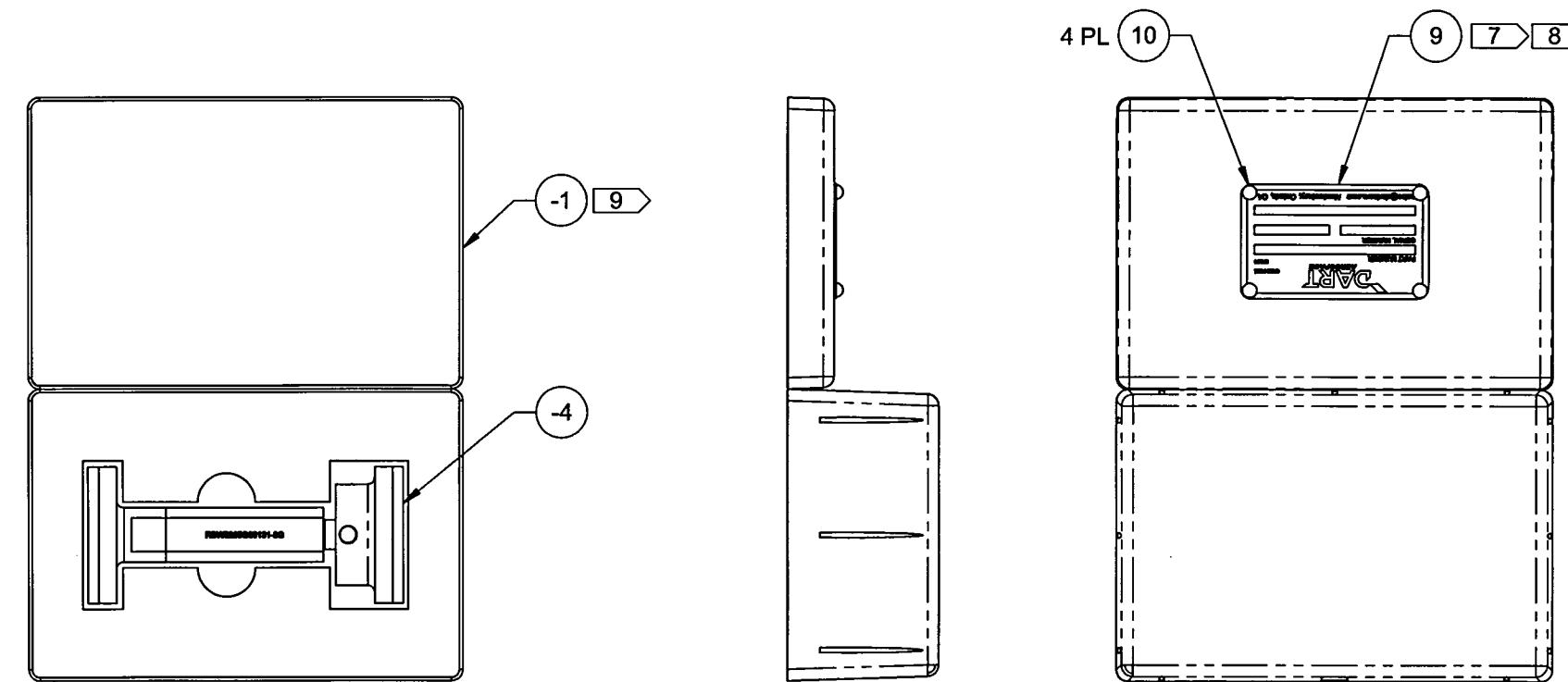


ITEM #	QTY	PART #	PART TITLE
-1	1	RBW6205G06131-3G-1	PACKAGING ASSY
-4	1	RBW6205G06131-3G-4	EXPANDER ASSY
9	1	RB41011	DART PLACARD
10	4	McMaster#97524A032 OR EQUIV.	ALUMINUM SEALING BLIND RIVETS 1/8" DIA. x 0.425" LG.

D



RBW6205G06131-3G M/R PITCH CONTROL LEVER EXPANDER

NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: ENGRAVE THE TOOL P/N & S/N ON THE DART PLACARD WHERE INDICATED
- 8) INSTALL THE DART PLACARD ONTO THE TOP OF THE CASE IN AVAILABLE AREA USING ALUMINUM POP RIVETS
- 9) HOT GLUE THE TOP AND BOTTOM FOAM INTO THE CASE

D	<p>-6 DIMENSION 0.52 CHANGED FOR 0.520 +0/-0.005 -7 DIMENSION 0.220 CHANGED FOR 0.220 +0.005/-0, DIMENSION 0.594 CHANGED FOR 0.61 +0.010/-0, DIMENSION 3/8-16 UNC THRU CHANGED FOR 3/8-16 UNC 3PL THRU</p> <p>18-811 VM</p>	
C	<p>UPDATED DRAWING TEMPLATE. CH'D DASH NUMBERS. REMOVED -11 SPRING PIN MCMASTER-CARR#90692A741. ADDED SPRING PLUNGER McMaster#3126A149</p> <p>-1 ADDED PACKAGING ASSY</p> <p>-2 WAS -15 IS -2</p> <p>-3 WAS -17 IS -3</p> <p>-4 WAS -1 IS -4</p> <p>-5 WAS -3 IS -5. FINISH WAS ZINC PLATE IS BLACK OXIDE</p> <p>-6 WAS -5 IS -6. FINISH WAS ZINC PLATE IS BLACK OXIDE</p> <p>-7 CH'D DIM WAS Ø.94 IS Ø.1.75. ADDED 3 HOLES 3/8-16 EQL SPC. FINISH WAS ZINC PLATE IS BLACK OXIDE</p> <p>-8 WAS -9 IS -8</p>	KPT
2	<p>-3, -5, -7 CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC. ASTM B633 TYPE I SC 2.</p> <p>-3 DELETED DETAIL B, ADDED MIN. UNDERCUT NOTE, CH'D DIM WAS .60 IS 2X .60, CH'D THREAD CALL OUT WAS 9/16-18 IS 9/16-18 UNF -2A, WAS 3X 10-32 UNF THRU ALL IS 3X 10-32 UNF -2B THRU ALL.</p> <p>-5 CH'D THREAD CALLOUT WAS 9/16-18 UNF 2.00 IS 9/16-18 UNF -2B 2.00.</p> <p>-7 ADDED DIM .220, CH'D THREAD CALL OUT WAS 3X 10-32 UNF THRU ALL IS 3X 10-32 UNF -2B THRU ALL.</p> <p>-9 CH'D DIM WAS (.188) IS .19, CH'D MATERIAL WAS NYLON/DELRIN IS NYLON/DELRIN/ACETAL.</p> <p>-15, -17 CH'D DWG. TO SHEET METAL TOLERANCE, CH'D MATERIAL AND VENDOR WAS Y20 BLACK I.R. SPECIALTY IS ETHAFOAM 220, BLACK (CASE SOLUTIONS).</p> <p>-15 CH'D DIM WAS 4.83 IS 4.93, WAS 7.34 IS 7.43, WAS 2.58 IS 2.55, WAS 4X R.08 IS 4X R.14, DELETED DIM 4X R.08, ADDED DIMS 4X .50, 4X 45°.</p> <p>-17 CH'D DIM WAS 4.67 IS 4.93, WAS 7.14 IS 7.43, WAS 4X R.13 IS 4X R.14, WAS .45 IS .72, WAS 4X 1° IS 4X 2°, ADDED DIMS 4X .38, 4X 45°.</p> <p>-23, -25 DELETED.</p>	RJC
1	RELEASED FOR PRODUCTION	DPD
REV.	DESCRIPTION	ECN # BY
DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA TOOL PART # RBW6205G06131-3G REV D SHEET 1 OF 9 APPROVED <i>VMP</i> TITLE M/R PITCH CONTROL LEVER EXPANDER NTS DATE 9/24/2018 <small>COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>
DRAWN	KPT	
CHECKED	VM	
MFG. APPR.	FK	
APPROVED	<i>VMP</i>	

D

C

KPT

B

RJC

DPD

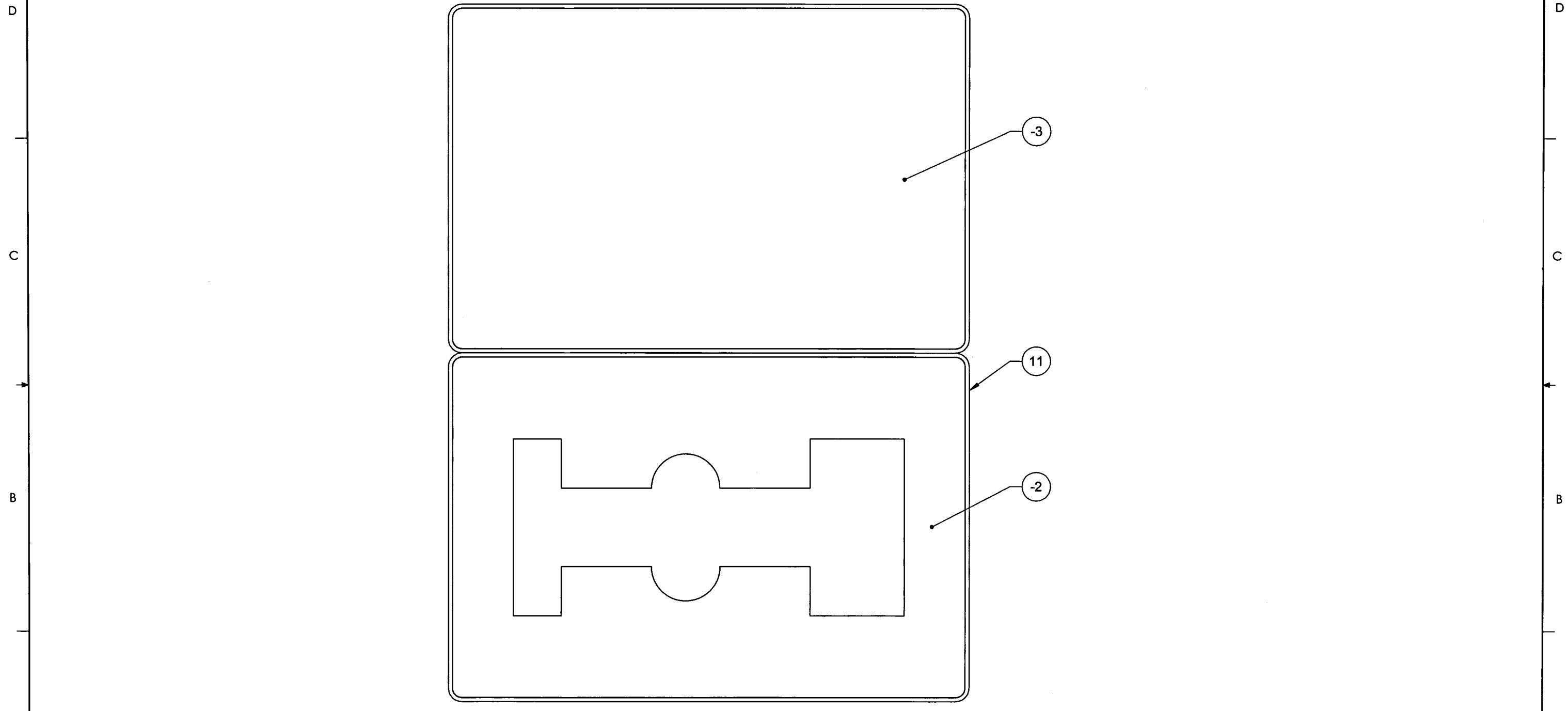
BY

A

A

8 7 6 5 4 3 2 1

ITEM #	QTY	PART #	PART TITLE
-2	1	RBW6205G06131-3G-2	BOTTOM FOAM
-3	1	RBW6205G06131-3G-3	TOP FOAM
11	1	PELICAN #APP-1120-E	PELICAN CASE 1120



NOTES:

- 1) MATERIAL: N/A
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A

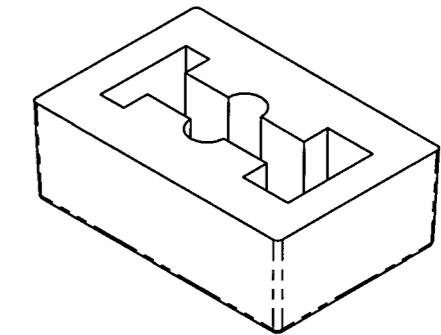
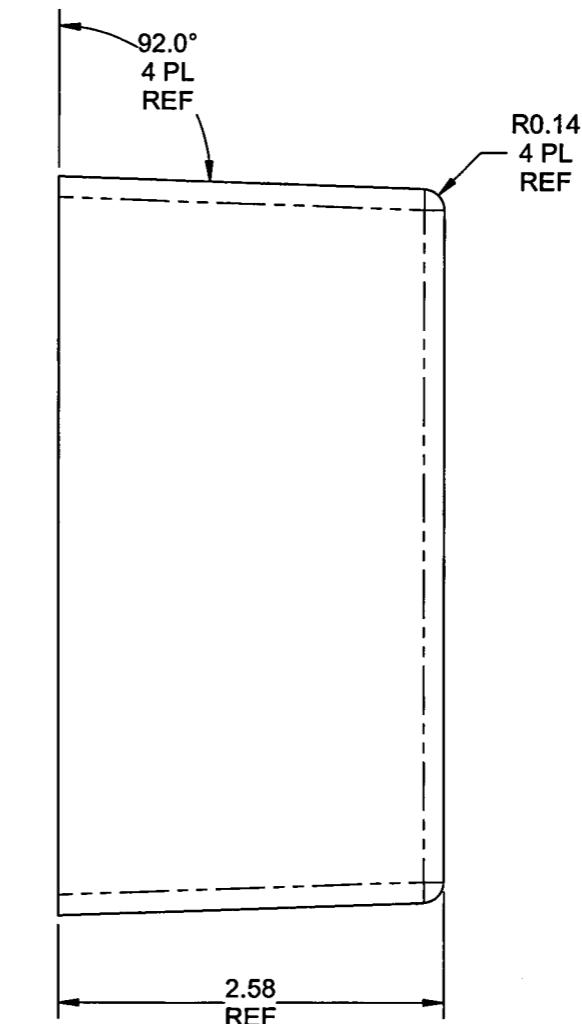
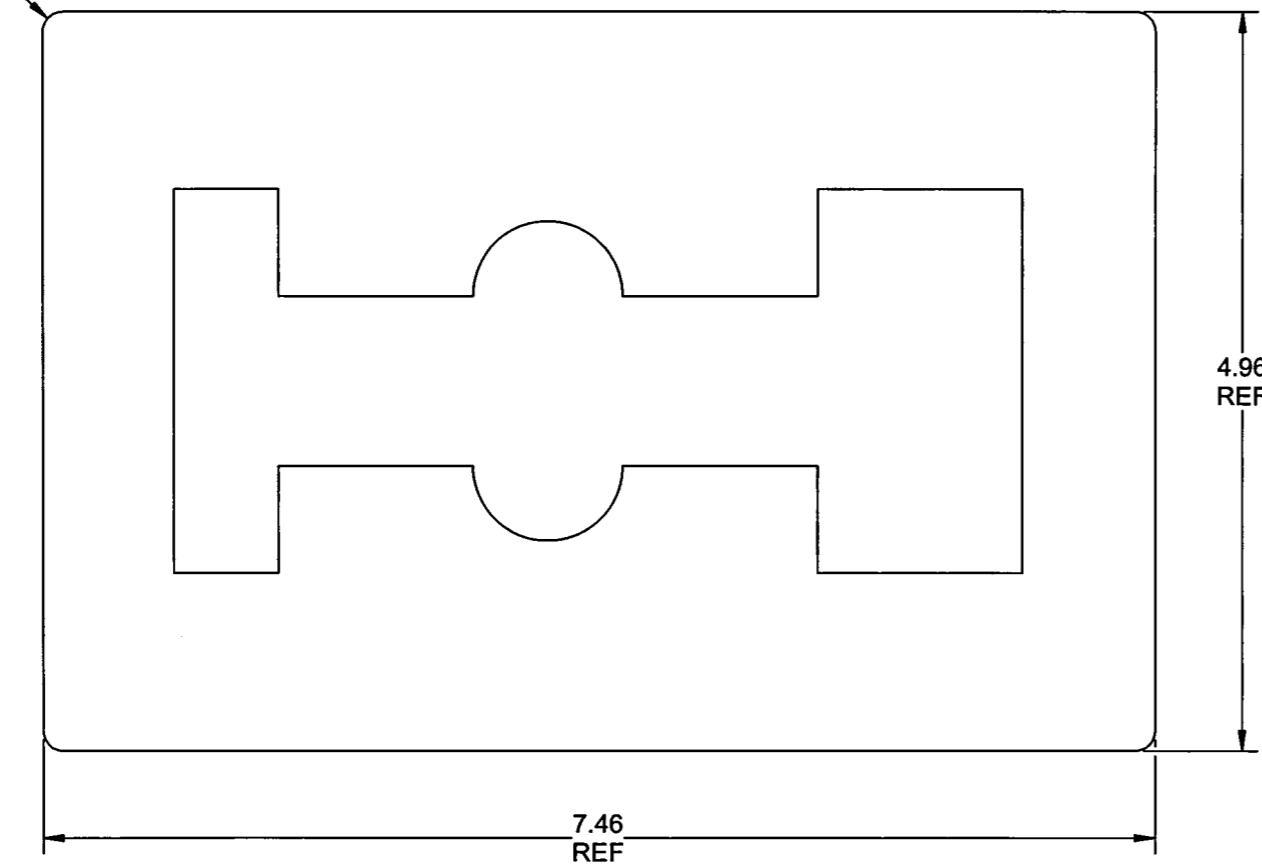
RBW6205G06131-3G-1 PACKAGING ASSY

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	KPT	
CHECKED	VM	TOOL PART #
MFG. APPR.	FK	REV D RBW6205G06131-3G
APPROVED	WT	SHEET 2 OF 9
		TITLE
		M/R PITCH CONTROL LEVER EXPANDER
		NTS
DATE	9/24/2018	COPYRIGHT © 2018 BY DART AEROSPACE LTD
		THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

8 7 6 5 4 3 2 1

D

R0.14
4 PL
REF



C

4.96
REF

B

7.46
REF

2.58
REF

RBW6205G06131-3G-2 BOTTOM FOAM

8

NOTES:

- 1) MATERIAL: BLACK ETHAFOAM 220
- 2) HEAT TREAT: N/A
- 3) FINISH: N/A
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°
PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/- 0.005"
- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: N/A
- 7) IDENTIFICATION: N/A
- 8) ALL NON-DIMENSIONED FEATURES MUST MAINTAIN A TOLERANCE OF +/- 0.050" PER CAD FILE RBW6205G06131-3G-2 REV. A.STEP

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	KPT	
CHECKED	VM	
MFG. APPR.	FK	
APPROVED	W	
DATE	9/24/2018	
TOOL PART #	RBW6205G06131-3G	REV D
		SHEET 3 OF 9
TITLE	M/R PITCH CONTROL LEVER EXPANDER	SCALE
		NTS
COPYRIGHT © 2018 BY DART AEROSPACE LTD		
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.		

8

7

6

5

4

3

2

1

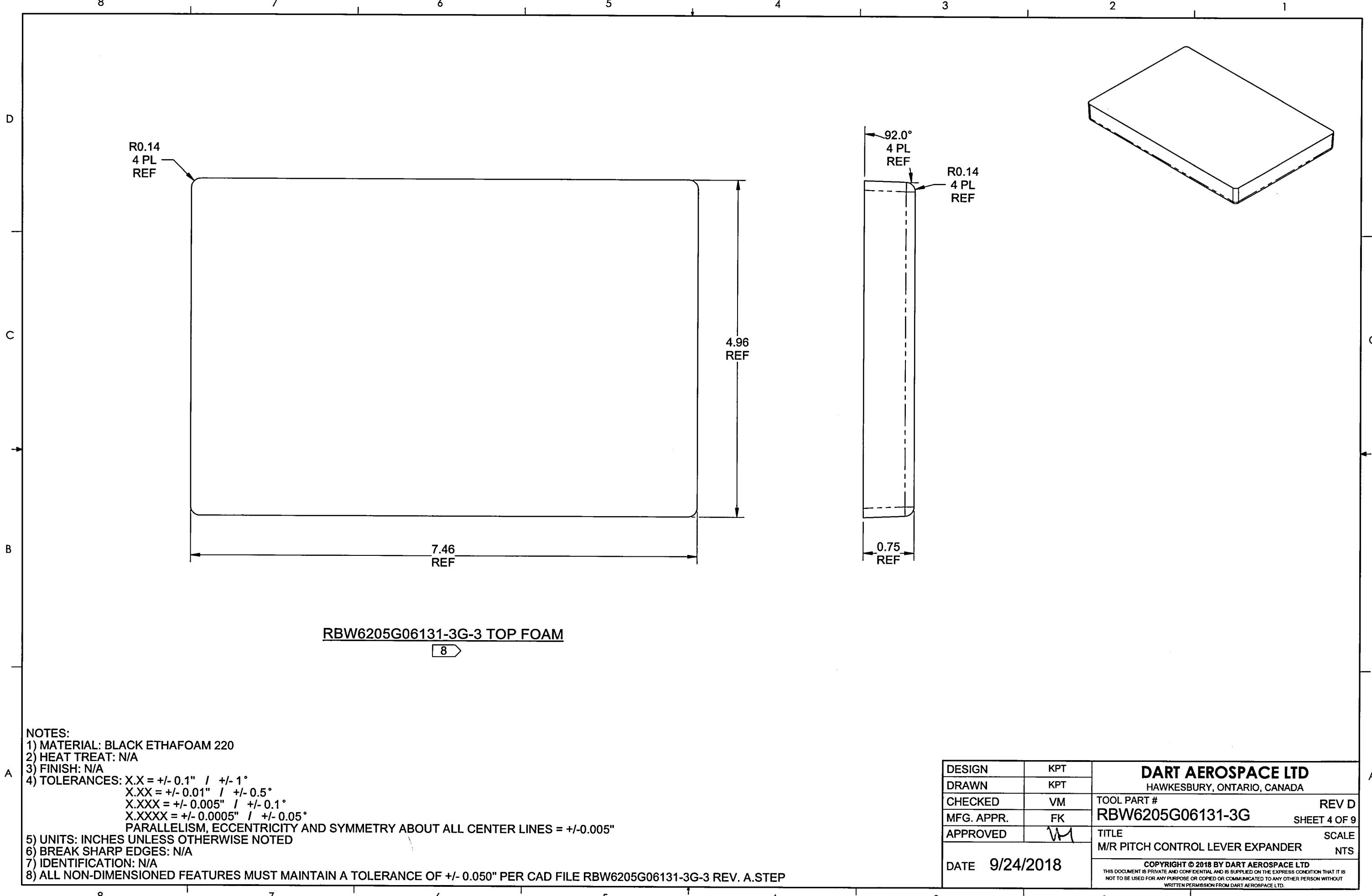
A

D

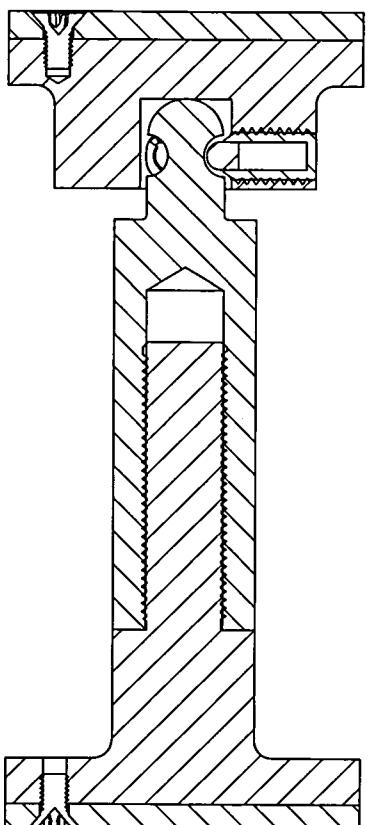
C

B

A

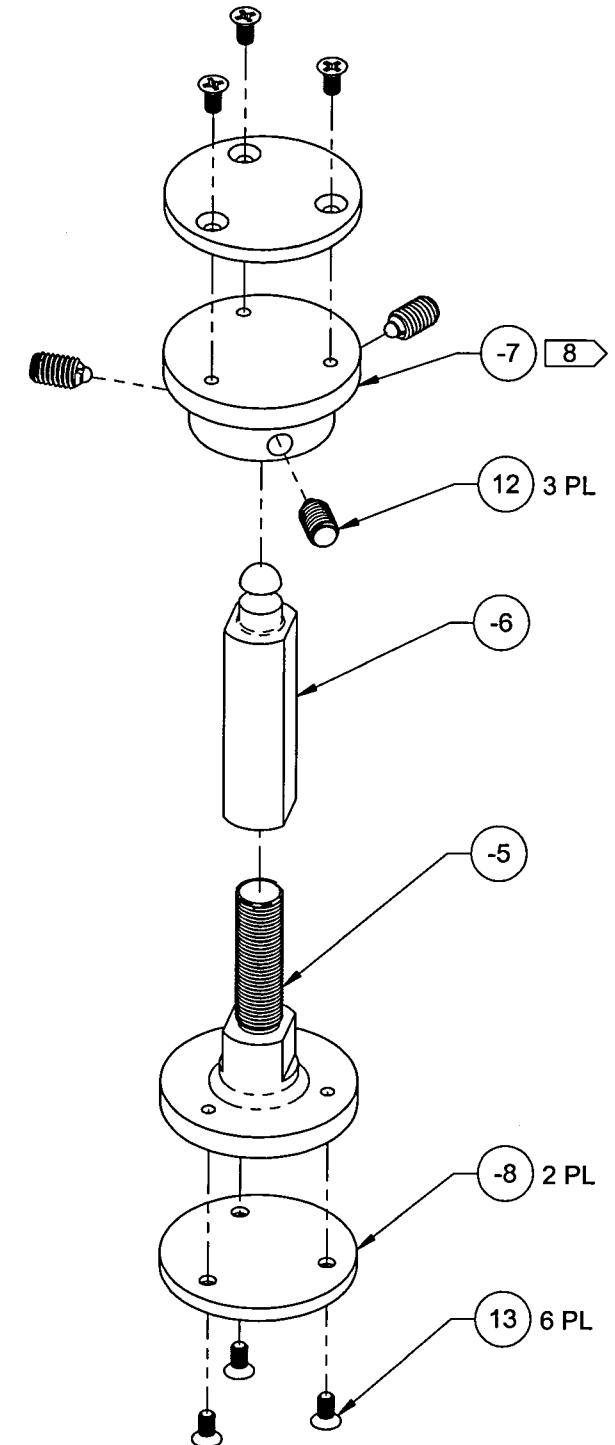


ITEM #	QTY	PART #	PART TITLE
-5	1	RBW6205G06131-3G-5	BASE
-6	1	RBW6205G06131-3G-6	EXPANDER
-7	1	RBW6205G06131-3G-7	END
-8	2	RBW6205G06131-3G-8	PAD
12	3	McMaster#3126A149 OR EQUIV.	STEEL SPRING PLUNGER 3/8"-16 X 5/8" LG.
13	6	McMaster#90273A827 OR EQUIV.	STEEL PHILLIPS FLAT HEAD SCREW #10-32 X 3/8" LG.



RBW6205G06131-3G-4 EXPANDER ASSY

9



NOTES:

1) MATERIAL: N/A
2) HEAT TREAT: N/A
3) FINISH: N/A

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: N/A

7) IDENTIFICATION: N/A

8) ITEM -7 MUST ROTATE AND TILT FREELY ABOUT ITEM -6 WHEN ASSEMBLED

9) THE TOOL ASSY MUST BE PACKAGED WITH A DESICCANT BAG INTO A TIGHT FITTING SEALED PLASTIC BAG

DESIGN	KPT	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA
DRAWN	KPT	
CHECKED	VM	
MFG. APPR.	FK	
APPROVED	W	
DATE	9/24/2018	

TOOL PART # **RBW6205G06131-3G** REV D
SHEET 5 OF 9

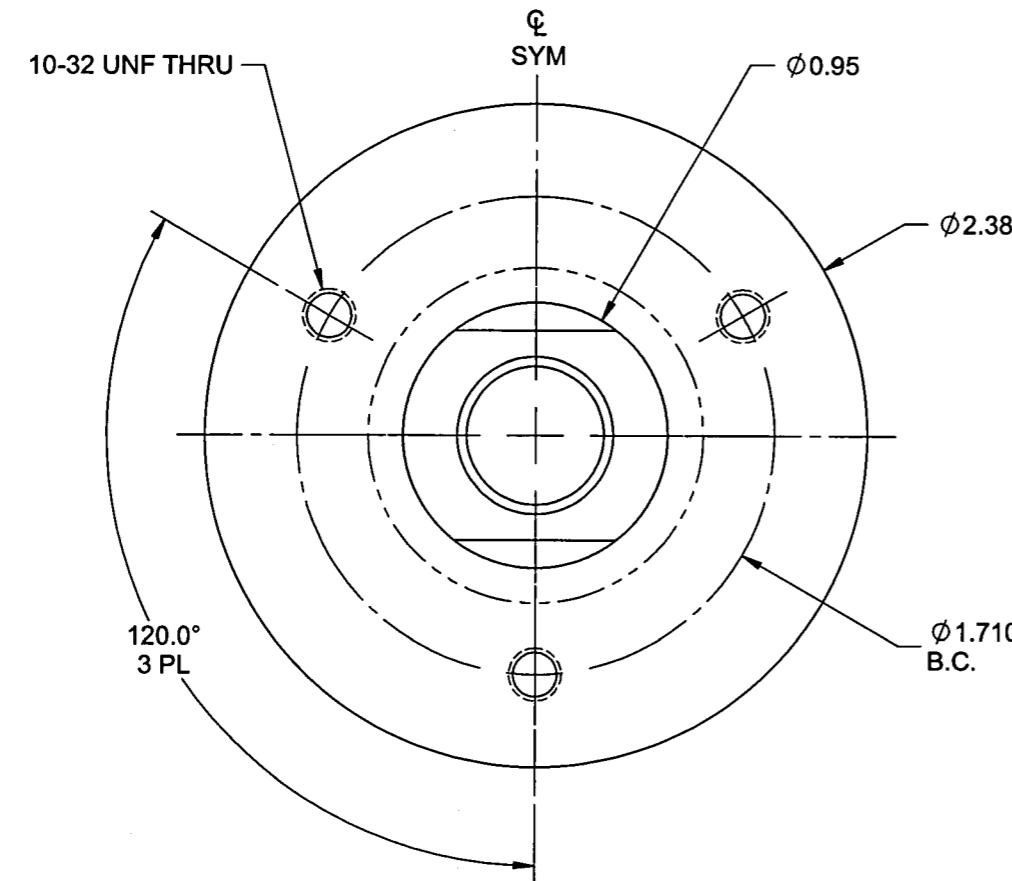
TITLE M/R PITCH CONTROL LEVER EXTRACTOR
SCALE NTS

COPYRIGHT © 2018 BY DART AEROSPACE LTD
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS
NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

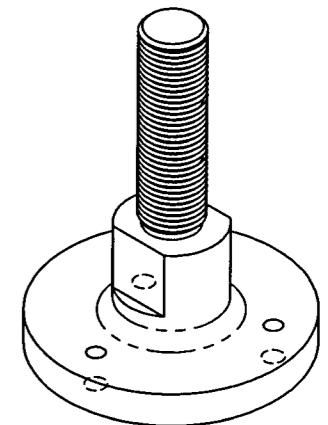
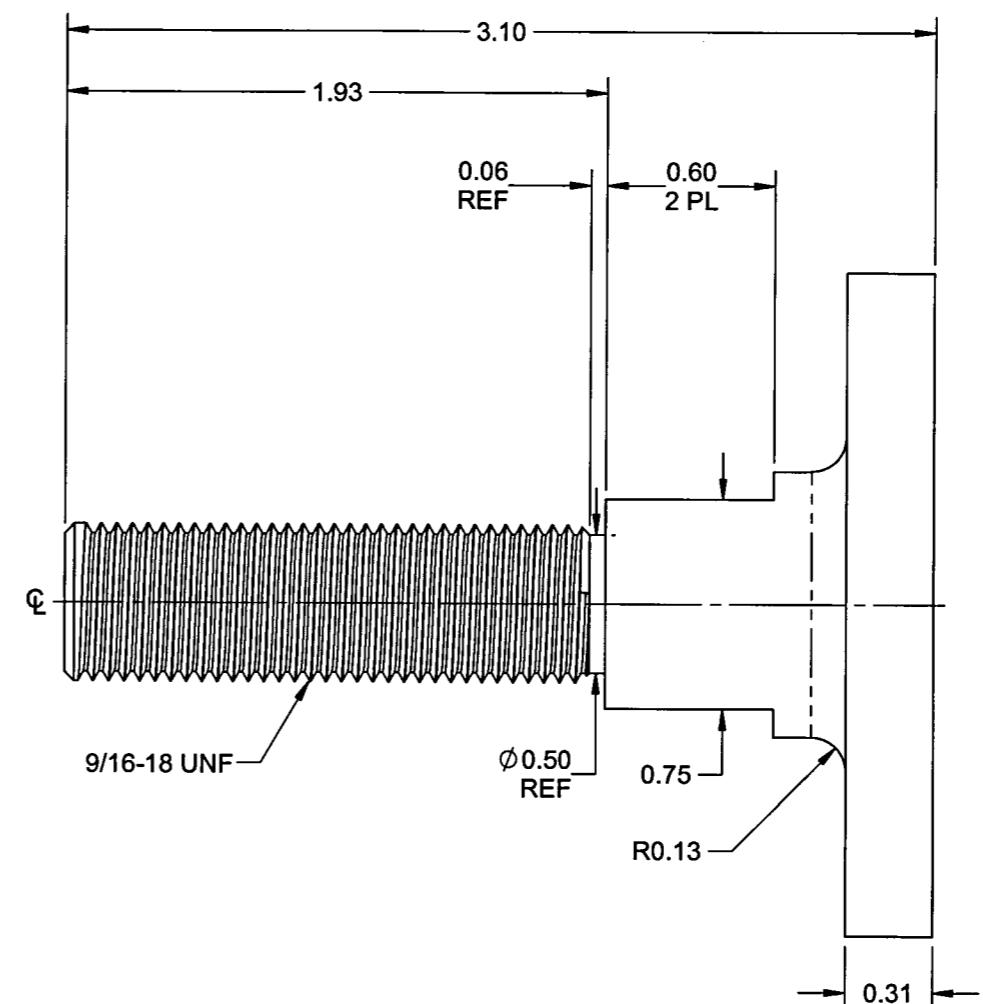
8 7 6 5 4 3 2 1

D

D



RBW6205G06131-3G-5 BASE



NOTES:

1) MATERIAL: 4140/4142 (28-32 RC)

2) HEAT TREAT: N/A

3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS

4) TOLERANCES: X.X = +/- 0.1" / +/- 1°

X.XX = +/- 0.01" / +/- 0.5°

X.XXX = +/- 0.005" / +/- 0.1°

X.XXXX = +/- 0.0005" / +/- 0.05°

PARALLELISM, ECCENTRICITY AND SYMMETRY ABOUT ALL CENTER LINES = +/-0.005"

5) UNITS: INCHES UNLESS OTHERWISE NOTED

6) BREAK SHARP EDGES: 0.005" TO 0.010"

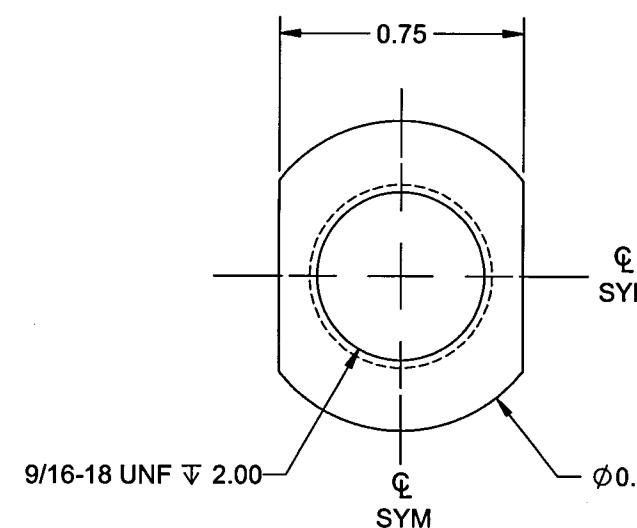
7) IDENTIFICATION: N/A

DESIGN	KPT	DART AEROSPACE LTD	
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA	
CHECKED	VM	TOOL PART #	
MFG. APPR.	FK	REV D RBW6205G06131-3G	
APPROVED	VM	SHEET 6 OF 9 TITLE M/R PITCH CONTROL LEVER EXPANDER NTS	
DATE 9/24/2018		COPYRIGHT © 2018 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

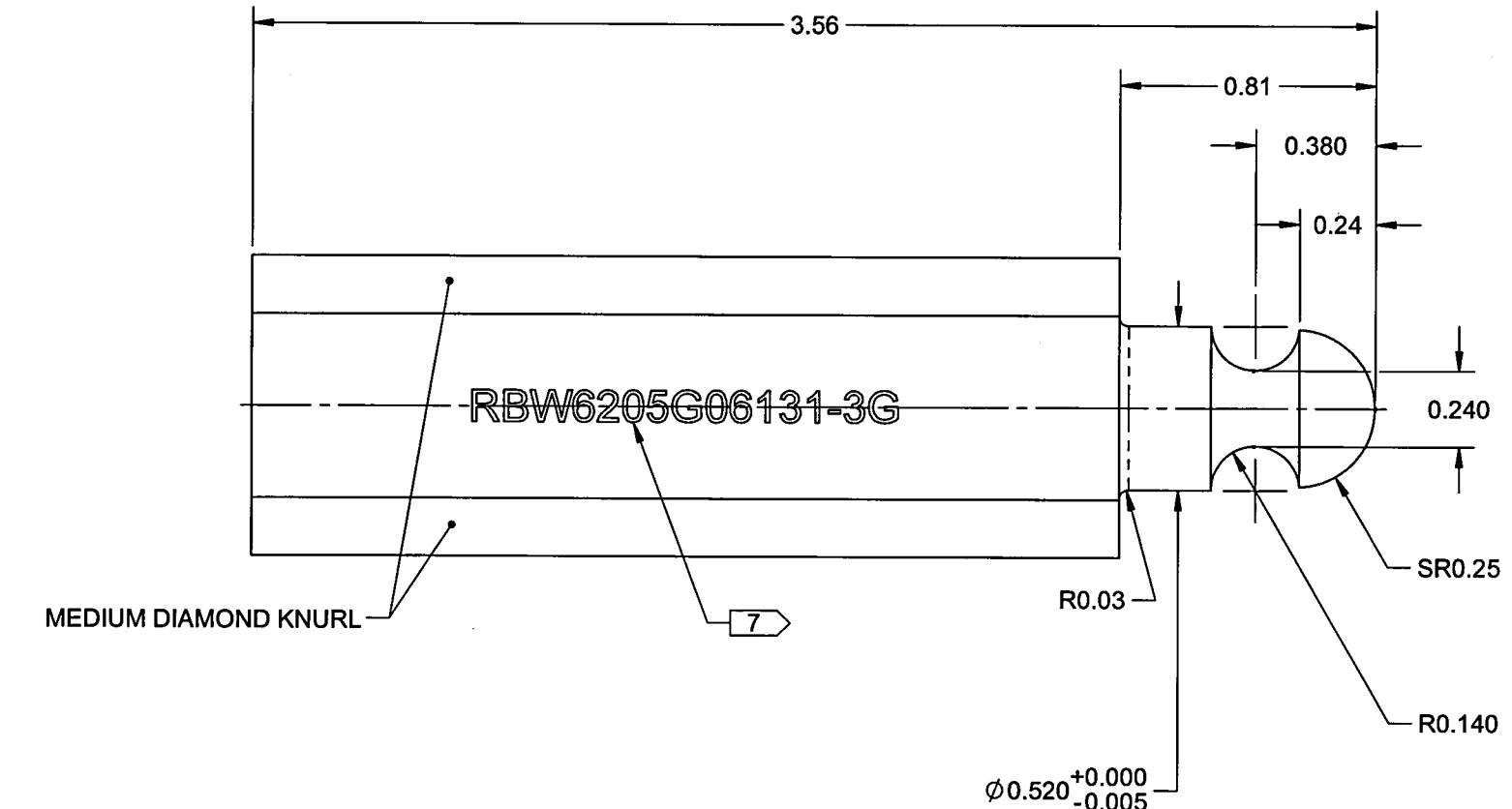
8 7 6 5 4 3 2 1

D

D



RBW6205G06131-3G-6 EXPANDER



NOTES:

- 1) MATERIAL: 4140/4142 (28-32 RC)
- 2) HEAT TREAT: N/A
- 3) FINISH: BLACK OXIDE PER MIL-C-13924 CLASS 1 THEN APPLY A THIN LAYER OF OIL / CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL-C-81309 TYPE III OR MIL-C-23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS
- 4) TOLERANCES: X.X = +/- 0.1" / +/- 1°
X.XX = +/- 0.01" / +/- 0.5°
X.XXX = +/- 0.005" / +/- 0.1°
X.XXXX = +/- 0.0005" / +/- 0.05°

- 5) UNITS: INCHES UNLESS OTHERWISE NOTED
- 6) BREAK SHARP EDGES: 0.005" TO 0.010"
- 7) IDENTIFICATION: MACHINE ENGRAVE OR DOT MARK T/N AS SHOWN

DESIGN	KPT	DART AEROSPACE LTD			
DRAWN	KPT	HAWKESBURY, ONTARIO, CANADA			
CHECKED	VM	TOOL PART #			
MFG. APPR.	FK	REV D			
APPROVED	W	RBW6205G06131-3G			
DATE 9/24/2018		SHEET 7 OF 9			
TITLE M/R PITCH CONTROL LEVER EXPANDER		SCALE NTS			
COPYRIGHT © 2018 BY DART AEROSPACE LTD					
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.					

8

7

6

5

4

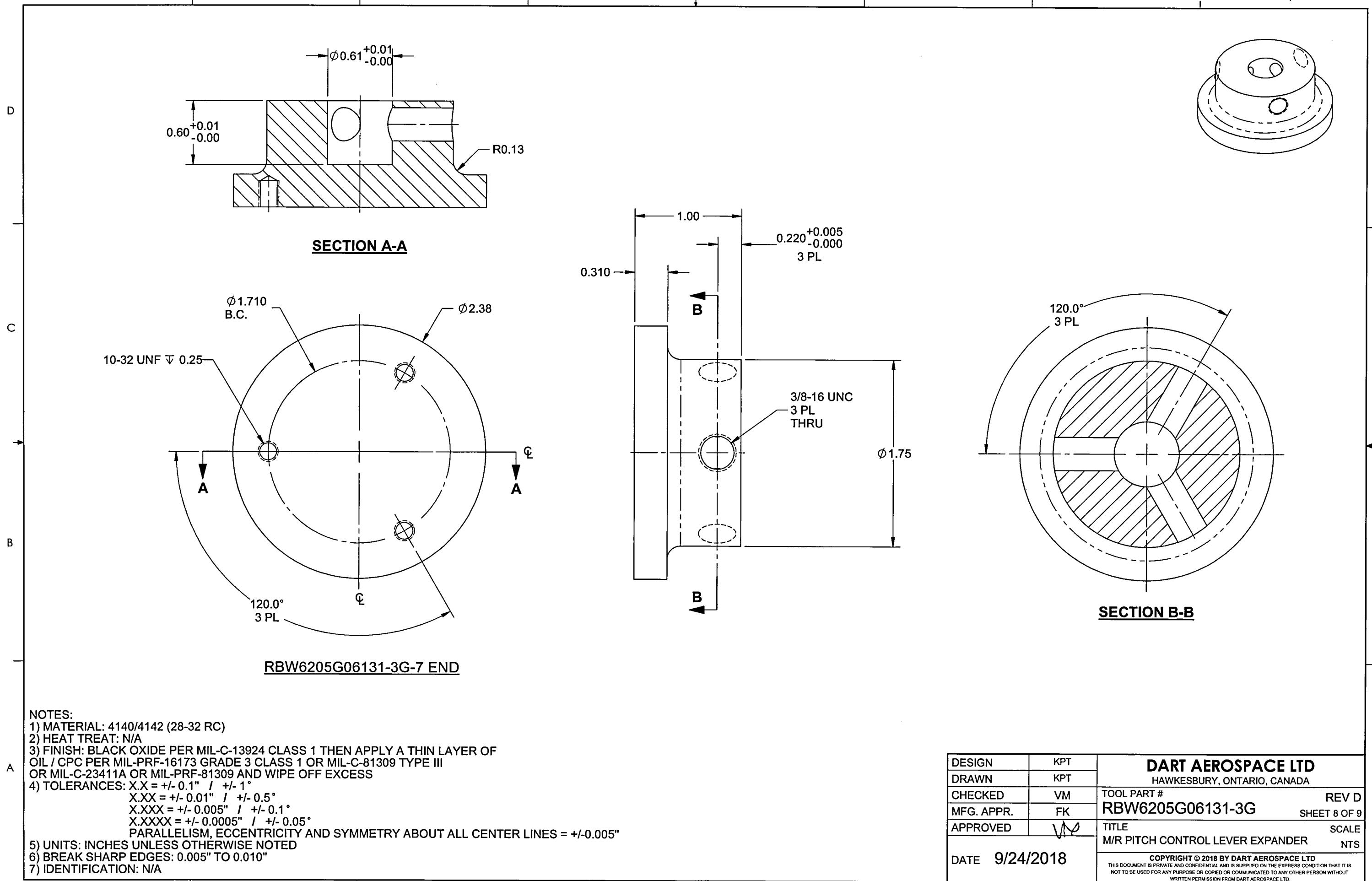
3

2

1

A

8 7 6 5 4 3 2 1



8 7 6 5 4 3 2 1

